# EXHIBIT 15



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## AVC/H.264 Licensors

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Following is a list of licensors of patents included in the AVC Patent Portfolio License. Any party that believes it has patents which are essential to the AVC/H.264 Standard, and wishes to participate in the AVC/H.264 Patent Portfolio License upon successful evaluation, is invited to submit them for evaluation and inclusion. Click here to obtain terms and procedures governing the patent submission process.

Apple Inc.

Cisco Systems Canada IP Holdings Company

**DAEWOO Electronics Corporation** 

**Dolby Laboratories Licensing Corporation** 

**Electronics and Telecommunications Research Institute** 

France Télécom, société anonyme\*

Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.

Fujitsu Limited

**Hewlett-Packard Company** 

Hitachi, Ltd.

Koninklijke Philips Electronics N.V.

LG Electronics Inc.

Microsoft Corporation

Mitsubishi Electric Corporation

NTT DOCOMO, INC.

Nippon Telegraph and Telephone Corporation

Panasonic Corporation

Polycom, Inc.

Robert Bosch GmbH

Samsung Electronics Co., Ltd.

Sedna Patent Services, LLC

**Sharp Corporation** 

Siemens AG

Sony Corporation

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Telefonaktiebolaget LM Ericsson

The Trustees of Columbia University in the City of New York

**Toshiba Corporation** 

Victor Company of Japan, Limited

\*Up to and through date of last patent expiration

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# AVC/H.264 Introduction

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MPEG LA's AVC/H.264 Patent Portfolio License provides access to essential patent rights for the AVC/H.264 (MPEG-4 Part 10) digital video coding standard used in set-top boxes, media player and other personal computer software, mobile devices including telephones and mobile television receivers, Blu-ray Disc™ players and recorders, Blu-ray video optical discs, game machines, personal media player devices, still and video cameras, subscription and pay-per view or title video services, free broadcast television services and other products. To align with the real-world flow of AVC/H.264 commerce, reasonable royalties are apportioned throughout the AVC/H.264 value chain. The License employs annual limitations to provide cost predictability, threshold levels below which certain royalties will not be charged in order to encourage early-stage adopters and minimize the impact on lower volume users or demo products, and certain licensing options that require no royalty reports.

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# AVC/H.264 Patent List

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This is the list of patents (Attachment 1) covered by the AVC Patent Portfolio License as of August 1, 2011.

**AVC Attachment 1** 

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**AVC Attachment 1** 

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Apple Inc. US 7,292,636 US 7,548,584 US 7,551,674

US 7,339,991

Cisco Systems Canada IP Holdings Company† US 6,646,578

US 7,050,504

US 7,227,901

US 7,400,681

The Trustees of Columbia University in the City of New York

US Re. 35,0931

CA 2,096,431

DE 69129595

DE 69130329

FR 564,597

FR 630,157

GB 564,597

GB 630,157

JP 2,746,749

DAEWOO Electronics Corporation

KR 174,441

KR 229,783

<sup>&</sup>lt;sup>†</sup> Ownership of each of the patents listed under Cisco Systems Canada IP Holdings Company was acquired as of July 31, 2010.

<sup>&</sup>lt;sup>1</sup> Expired December 2, 1010

#### AVC Attachment 1

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Dolby Laboratories Licensing Corporation

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US 7,266,150

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US 7,894,524

Electronics and Telecommunications Research Institute

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US 7,881,388

KR 353,851

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CN 01814313.X

France Télécom, société anonyme

US 4,796,0872

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<sup>&</sup>lt;sup>2</sup> Expired May 31, 2007

<sup>&</sup>lt;sup>3</sup> Expired May 28, 2007 <sup>4</sup> Expired May 29, 2006

<sup>†</sup> Expired May 26, 2007

#### **AVC Attachment 1**

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US 6,943,710

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Page 4 of 88 AVC Attachment 1 August 1, 2011 LI 1,467,491 NL 1,467,491 PT 1,467,491 RO 1,467,491 SE 1,467,491 TR 1,467,491 AT 343,302 BE 1,487,113 CH 1,487,113 CZ 1,487,113 DE 50305419 DK 1,487,113 ES 1,487,113 FI 1,487,113 FR 1,487,113 GB 1,487,113 GR 1,487,113 HK 1,070,992 HU 1,487,113 IE 1,487,113 IT 1,487,113 LI 1,487,113 NL 1,487,113 PT 1,487,113 RO 1,487,113 SE 1,487,113 AT 1,550,219 BE 1,550,219 BG 1,550,219 CH 1,550,219 CZ 1,550,219 DE 50311129.5 DK 1,550,219

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| August 1, 2011 | AVC Attachment 1          | Page 6 of 88 |
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|                | KR 733,795                |              |
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<sup>&</sup>lt;sup>5</sup> Expired November 5, 2010

#### **AVC Attachment 1**

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JP 3,946,721 CN 200510130221.1

US 7,809,062 US 7,826,532 JP 3,946,758 CN 200710103417.0 JP 3,946,759 CN 200710103418.5

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JP 4,184,388

JP 4,184,389

KR 788,567 KR 788,569 KR 788,570

KR 908,955

CN 200510130222.6

Hewlett-Packard Company US 6,741,746

Hitachi, Ltd. JP 3,191,935<sup>†</sup>

JP 3,303,869+

<sup>†</sup> Expired November 30, 2010

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US 7,936,822 US 7,936,823 JP 4,363,326 JP 4,363,484 CN 03805041.2 CN 200710092132.1 CN 200710092133.6

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US 5,128,7588

CA 2,018,031‡

US 5,179,4429

CA 2,304,917<sup>‡</sup>

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US 5,606,539

US 5,608,697\*

US 5,844,867\*

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DE 69127504\*\*

DK 0460751\*\*

FR 0460751\*\*

GB 0460751\*\*

IT 52497 BE/97\*\*

JP 3,162,110\*

JP 3,280,999\*

NL 0460751\*\*

SE 0460751\*\*

<sup>&</sup>lt;sup>6</sup> Expired February 23, 2008

<sup>&</sup>lt;sup>7</sup> Expired June 3, 2008

<sup>&</sup>lt;sup>8</sup> Expired July 6, 2009

<sup>&</sup>lt;sup>‡</sup> Expired June 1, 2010

<sup>&</sup>lt;sup>9</sup> Expired January 11, 2010

<sup>&</sup>lt;sup>10</sup> Expired June 2, 2010

Expired June 4, 2011
Expired June 3, 2011

#### **AVC Attachment 1**

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SE 0443676‡

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US 6,909,450

CN 100375520

KR 114,697

KR 239,83713

CN 100380983

<sup>&</sup>lt;sup>11</sup> Expired October 18, 2010 † Expired February 19, 2011

Expired February 18, 2011

Expired February 18, 2011

Expired February 20, 2011

Expired May 31, 2011

Expired June 4, 2011

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LG Electronics Inc.

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US Re. 41,385

US Re. 41,386

US Re. 41,387

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US Re. 41,419

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US Re. 41,436

US Re. 41,446

US Re. 41,459

US Re. 41,089

US Re. 41,400

US Re. 41,907

US Re. 42,045

<sup>&</sup>lt;sup>14</sup> Replaced US 6,594,400 of which it is a reissue.

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August 1, 2011 **AVC Attachment 1** Page 16 of 88 FR 1,603,344 GR 1,603,344 HU 1,603,344 IE 1,603,344 IT 1,603,344 LI 1,603,344 LU 1,603,344 MC 1,603,344 NL 1,603,344 PT 1,603,344 SE 1,603,344 SI 1,603,344 SK 1,603,344 TR 1,603,344

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JP 4,625,102

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KR 505,320

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KR 640,937

KR 655,546 RU 2,282,947

KR 674,027

| August 1, 2011 | AVC Attachment 1            | Page 27 of 88 |
|----------------|-----------------------------|---------------|
|                | KR 687,845                  |               |
|                | KR 693,669                  |               |
|                | KR 693,670                  |               |
|                | KR 693,671                  |               |
|                | KR 721,022                  |               |
|                | KR 748,512                  |               |
|                | KR 757,829                  |               |
|                | KR 757,830                  |               |
|                | KR 757,831                  |               |
|                | KR 757,832                  |               |
|                | KR 850,947                  |               |
|                | KR 857,383                  |               |
|                | KR 857,384                  |               |
|                | KR 857,385<br>AU 2004217197 |               |
|                | KR 864,790                  |               |
|                | KR 864,791                  |               |
|                | KR 865,034                  |               |
|                | CN 03101620.0               |               |
|                | KR 865,039                  |               |
|                | KR 881,554                  |               |
|                |                             |               |

| August 1, 2011 | AVC Attachment 1 | Page 28 of 88 |
|----------------|------------------|---------------|
|                | KR 881,555       |               |
|                | KR 881,556       |               |
|                | KR 881,557       |               |
|                | KR 881,558       |               |
|                | KR 881,565       |               |
|                | KR 881,566       |               |
|                | KR 881,567       |               |
|                | KR 881,568       |               |
|                | KR 881,569       |               |
|                | KR 881,570       |               |
|                | KR 881,571       |               |
|                | KR 883,025       |               |
|                | KR 886,192       |               |
|                | KR 890,504       |               |
|                | KR 890,505       |               |
|                | KR 890,506       |               |
|                | KR 890,509       |               |
|                | KR 890,510       |               |
|                | KR 890,513       |               |
|                | KR 890,514       |               |
|                |                  |               |

| August 1, 2011 | AVC Attachment 1 | Page 29 of 88 |
|----------------|------------------|---------------|
|                | KR 901,642       |               |
|                | KR 901,643       |               |
|                | KR 907,173       |               |
|                | KR 985,240       |               |
|                | KR 985,263       |               |
|                | KR 985,268       |               |
|                | KR 985,340       |               |
|                | KR 985,379       |               |
|                | NL 1,022,332     |               |
|                | NL 1,022,333     |               |
|                | NL 1,029,485     |               |

NL 1,029,486

## **AVC Attachment 1**

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Microsoft Corporation

US 6,563,953

US 6,735,345

US 7,289,673

AT 1,135,934

BE 1,135,934

CH 1,135,934

DE 69937462.6

DK 1,135,934

ES 1,135,934

FI 1,135,934

FR 1,135,934

GB 1,135,934

IT 1,135,934

JP 4,625,411

LI 1,135,934

NL 1,135,934

PT 1,135,934

SE 1,135,934 AT 1,853,069

BE 1,853,069

CH 1,853,069

DE 69941964.6

DK 1,853,069 ES 1,853,069

FI 1,853,069

FR 1,853,069

GB 1,853,069

HK 1115256

IT 1,853,069

JP 4,558,827

LI 1,853,069

NL 1,853,069

PT 1,853,069

SE 1,853,069

## **AVC Attachment 1**

Page 31 of 88

US 6,882,685 US 7,106,797 CN 02143205.8 CN 100463522 US 7,839,928 JP 3,964,765 JP 3,964,925 TW I 221,388 US 7,881,371

US 6,912,584

US 7,024,097 US 7,142,775

US 7,116,830 US 7,120,197 US 7,263,232 US 7,266,149 US 7,379,607 CN 02825191.1 US 7,577,305

US 7,149,247

US 7,155,055

US 7,162,091

US 7,167,633 US 7,171,107 US 7,248,779 JP 4,690,635

US 7,181,072

US 7,242,437 US 7,633,551

## AVC Attachment 1

Page 32 of 88

US 7,248,740 CN 03811662.6 TW I310137

US 7,271,849 US 7,274,407 US 7,286,189

US 7,280,700 CN 100394447

US 7,505,485 US 7,839,895 DE 60311231.5 DE 60310368.5 FR 1,468,566 FR 1,468,567 GB 1,468,566 GB 1,468,567 HK 1,069,700 HK 1,069,701 IT 1,468,566 IT 1,468,567 JP 4,503,294 JP 4,703,114 AT 1,753,244 BE 1,753,244 CH 1,753,244 DE 60332175.5 DK 1,753,244 ES 1,753,244 FI 1,753,244 FR 1,753,244 GB 1,753,244 GR 1,753,244 HK 1,103,199

> IE 1,753,244 IT 1,753,244 LI 1,753,244

## **AVC Attachment 1**

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NL 1,753,244

PT 1,753,244

SE 1,753,244

TR 1,753,244

US 7,593,466

US 7,646,816

US 7,609,767

US 7,646,810

JP 4,522,658

JP 4,102,841

CN 200610141384.4

JP 4,159,400

JP 4,199,973

CN 100461858

JP 4,448,334

JP 4,489,794

JP 4,560,028

JP 4,560,033

JP 4,610,195

JP 4,662,697

KR 578,432

CN 03124169.7

KR 839,308

KR 839,309

CN 100459712

AVC Attachment 1

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KR 839,311

KR 884,134

KR 925,968

Mitsubishi Electric Corporation

US 5,926,225

US 6,097,759

CA 2,327,489

NO 310,850

US Re. 41,729

US 7,095,344

SG 101,613

TW I 222,834

US 7,388,526

CA 2,554,143

SG 147,308

US 7,408,488

SG 158,846

US 7,518,537

CN 03800516.6

SG 158847

US 7,859,438

JP 1,869,94015

JP 3,347,954

JP 4,571,173

JP 3,807,342

JP 4,211,780

JP 4,211,873

<sup>15</sup> Expired March 8, 2005

**AVC Attachment 1** 

Page 35 of 88

JP 4,260,786 CN 200610101834.7 HK 1109001

JP 4,326,758

JP 4,388,771

JP 4,441,182

JP 4,514,818 JP 4,514,819

KR 740,381

CN 200610099715.2

Nippon Telegraph and Telephone Corporation JP 2,938,412

JP 3,866,628

NTT DOCOMO, INC. US 7,190,289

US 7,346,216

JP 3,491,001 TW I 232,682

JP 3,513,148 CN 200310100660.9 TW I 244,856 KR 583,552

JP 3,534,742 CN 200310100758.4 TW I 225,360

**AVC Attachment 1** 

Page 36 of 88

JP 3,679,083 CN 200310100762.0

KR 603,175

KR 701,810

Panasonic Corporation† US Re. 35,910<sup>16</sup>

US 5,223,949

US 6,608,939

US 6,658,152

US 6,681,048

CN 97191584.9

JP 3,208,101

JP 3,222,876

CN 200610099763.1

JP 3,527,454

CN 200410063261.4

KR 354,799

KR 425,613

SG 54,716

US 6,373,856

DE 69822751.4

FR 0909099

GB 0909099

IT 2004B69800

Name change from Matsushita Electric Industrial Co., Ltd., effective October 1, 2008.

<sup>16</sup> Expired May 10, 2010

#### AVC Attachment 1

Page 37 of 88

US 6,445,739

CN 98800434.8

ID 10,293

IN 213,894

MX 220,076

SG 56,895

TH 25,132

US 6,501,793

CN 01118860.X

US 7,010,035

CN 01118861.8

US 6,954,156

CN 03800330.9

MX 239385

US 6,954,157

AU 2002357584

CA 2,450,360

ID 18,606

IN 239550

MX 245,670

MX 259,376

US 6,967,600

US 7,312,731

AU 2007202520

CN 200610143687.X

ID 21759

US 6,992,605

CN 02813282.3

US 7,109,898

ID 21057

US 7,088,269

AU 2003221378

ID 19,093

#### AVC Attachment 1

Page 38 of 88

US 7,095,896

ID 21611

US 7,305,134

AT 1,753,246

BE 1,753,246

CH 1,753,246

CN 200610168486.5

DE 60328838

ES 1,753,246

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US 7,308,143

MY 140969

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US 7,308,149

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CH 1,744,562

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DK 1,744,562

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GR 1,744,562

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IT 1,744,562

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PT 1,744,562

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TR 1,744,562

# AVC Attachment 1

Page 39 of 88

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CH 1,746,841

CZ 1,746,841

DE 60329639

DK 1,746,841

EC 1 E1 C 0 11

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US 7,583,731

US 7,167,591

AU 2003236032

CN 03800235.3

ID 19,906

IN 247939

MX 249,459

US 7,218,787

CN 200810170028.4

TW I 262,024

# **AVC Attachment 1**

Page 40 of 88

US 7,184,598

AT 1,750,451

AU 2006203176

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CH 1,750,451

CN 200610126660.x

DE 60328837

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LI 1,750,451

MY 141699

NL 1,750,451

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CN 3801021.6

ID 21,001

US 7,209,520

ID 21,430

US 7,526,026

US 7,580,459

JP 4,615,604

JP 4,615,622

JP 4,615,623

US 7,283,071

## AVC Attachment 1

Page 41 of 88

US 7,305,035

DE 60312620.0

AU 2003235172

CN 03800518.2

ES 1,401,213

FR 1,401,213

GB 1,401,213

ID 23898

IN 246412

IT 1,401,213

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CN 200710097058.2

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MX 275326

NL 1,742,483

SE 1,742,483

SI 1,742,483

AU 2008201315

BE 1,742,484

## AVC Attachment 1

Page 42 of 88

CZ 1,742,484

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SE 1,742,484

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TR 1,742,484

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GR 1,965,590

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NL 1,965,590

PT 1,965,590

SE 1,965,590

US 7,327,788

MY 139995

US 7,649,944

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US 7,362,807

AU 2003201906

CN 03800055.5

ID 20,478

MX 258,980

AT 1,439,713

BE 1,439,713

BG 1,439,713

CH 1,439,713

CZ 1,439,713

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NL 1,439,713

PT 1,439,713

SE 1,439,713

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TR 1,439,713

US 7,394,853

AU 2003236034

US 7,411,526

ID 24490

MX 272075

US 7,492,952

US 7,813,568

CN 03801256.1

US 7,817,868

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Page 44 of 88

US 7,505,518

US 7,515,635

US 7,542,510 US 7,848,411 TW 328969

US 7,630,435 CN 200580003035.X

> US 7,664,179 US 7,715,478

> US 7,664,180 US 7,742,526 TW 324889

US 7,664,182

US 7,693,340

US 7,697,770

US 7,733,960 CN 200610121284.5 CN 200610125676.9

US 7,742,528

US 7,756,204 US 7,782,936

US 7,760,803

US 7,782,962 CN 200610090883.5 US 7,792,195

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DE 69813635.7

ES 2195965

FR 1,113,673

GB 1,113,673

IT 1,113,673

TW 136,357

BE 1,387,585

CA 2,428,081

CZ 1,387,585

DE 60203492.2

DK 1,387,585

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GB 1,387,585

ID 22337

IE 1,387,585

IN 244365

IT TO2005B070288

MX 239,386

NL 1,387,585

SE 1,387,585

TR 200502315T4

AT 1,406,451

AU 2003281129

CZ 1,406,451

DE 60310842.3

DK 1,406,451

ES 1,406,451

FI 1,406,451

FR 1,406,451

GB 1,406,451

HU 1,406,451

ID 20,309

IE 1,406,451

IT 1,406,451

# August 1, 2011 AVC Attachment 1 Page 46 of 88 MX 246,993 MY 135,048 NL 1.406.451

MY 135,048 NL 1,406,451 RO 1,406,451 SE 1,406,451 SI 1,406,451 TR 1,406,451 TW 280,058 DE 60234196 ES 1,422,944

FR 1,422,944 GB 1,422,944 IT 1,422,944 NL 1,422,944

AU 2003235171 CN 3800594.8 CN 200710097056.3 DE 60311734.1 ES 1,424,856 FR 1,424,856 GB 1,424,856 ID 23470 IT 1,424,856 MX 252,184 NL 1,424,856

CN 200710097061.4 DE 60325691.0 ES 1,450,565 FR 1,450,565 GB 1,450,565 IT 1,450,565 NL 1,450,565

#### **AVC Attachment 1**

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CH 1,452,039

DE 60230666.3

ES 2,318,055

FR 1,452,039

GB 1,452,039

IT TO2009B068457

LI 1,452,039

MX 264205

NL 1,452,039

AU 2003227248

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CZ 1,478,188

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FI 1,478,188

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GB 1,478,188

HU E000227

IE 1,478,188

IN 246677

IT TO200668156

MX 238,917

MY 135,378

NL 1,478,188

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RO 1,478,188

SE 1,478,188

SI 1,478,188

TR 200600624T4

TW I 281,352

AT 382242

AU 2003236033

DE 60318307.7

ES 2297187

FR 1,496,706

GB 1,496,706

## **AVC Attachment 1**

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ID 023559

IT 1,496,706

MX 254614

MY 135697

NL 1,496,706

SE 1,496,706

TR 200800451

TW I 276,359

CN 03800519.0

DE 60320243.8

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FI 1,499,133

FR 1,499,133

GB 1,499,133

ID 20546

IT 1,499,133

MX 239456

MY 136,457

NL 1,499,133

TR 1,499,133

DE 60214248.2

ES 1,515,567

FR 1,515,567

GB 1,515,567

GR 20060403642

ID 24650

IT TO2006B073836

MX 269,288

NL 1,515,567

SE 1,515,567

TR 2006 06449 T4

## AVC Attachment 1

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AU 2008230068

CH 1,596,608

CN 200610168488.4

DE 60311530.6

DK 1,596,608

ES 1,596,608

FI 1,596,608

FR 1,596,608

GB 1,596,608

HU 1,596,608

IT 1,596,608

LI 1,596,608

MX 261423

NL 1,596,608

RO 1,596,608

SE 1,596,608

TW 330986

AT 1,739,972

BE 1,739,972

CH 1,739,972

CN 03800473.9

CZ 1,739,972

DE 60322276.5

ES 1,739,972

FR 1,739,972

GB 1,739,972

HU 1,739,972

IT 1,739,972

LI 1,739,972

NL 1,739,972

RO 1,739,972

SE 1,739,972

# **AVC Attachment 1**

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DE 60322277.3

ES 1,739,973

FR 1,739,973

GB 1,739,973

IT 1,739,973

NL 1,739,973

CN 200710097059.7

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CH 1,742,479

DE 60329427.8

DK 1,742,479

ES 1,742,479

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GB 1,742,479

IT 1,742,479

LI 1,742,479

MX 273027

NL 1,742,479

PT 1,742,479

SI 1,742,479

TW 320664

#### AVC Attachment 1

Page 51 of 88

AT 413,067

BE 1,742,480

CH 1,742,480

CZ 1,742,480

DE 60324480.7

ES 2,317,444

FI 1,742,480

FR 1,742,480

GB 1,742,480

GR 3,067,753

HU 1,742,480

IT MI2009B019817

LI 1,742,480

MX 271,966

NL 1,742,480

RO 1,742,480

SE 1,742,480

TR 200808725

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DE 60329239

ES 1,742,481

FR 1,742,481

GB 1,742,481

IT 1,742,481

NL 1,742,481

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DE 60318757.9

ES 2299170

FR 1,765,018

GB 1,765,018

HK 1110729

IT 1,765,018

MX 277886

NL 1,765,018

## AVC Attachment 1

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CN 200610107554.7

DE 60318758

ES 1,765,019

FR 1,765,019

GB 1,765,019

IT 1,765,019

MX 263,777

NL 1,765,019

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DE 60332974

ES 1,773,067

FR 1,773,067

GB 1,773,067

IT 1,773,067

NL 1,773,067

TW 323,614

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|----------------|----------------------------|---------------|
|                | AT 2,131,593               |               |
|                | BE 2,131,593               |               |
|                | BG 2,131,593               |               |
|                | CH 2,131,593               |               |
|                | CY 2,131,593               |               |
|                | CZ 2,131,593               |               |
|                | DE 60334341                |               |
|                | DK 2,131,593               |               |
|                | EE 2,131,593               |               |
|                | ES 2,131,593               |               |
|                | FI 2,131,593               |               |
|                | FR 2,131,593               |               |
|                | GB 2,131,593               |               |
|                | GR 2,131,593               |               |
|                | HK 1136730                 |               |
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|                | IT 2,131,593               |               |
|                | LI 2,131,593               |               |
|                | NL 2,131,593               |               |
|                | PT 2,131,593               |               |
|                | SE 2,131,593               |               |
|                | SK 2,131,593               |               |
|                | TR 2,131,593               |               |
|                | JP 2,794,899 <sup>17</sup> |               |
|                | JP 3,234,807               |               |
|                | JP 3,735,244               |               |
|                | MY 124,128                 |               |
|                | JP 3,756,475               |               |
|                | CN 200510113597.1          |               |
|                | ID 24705                   |               |
|                | MX 269,429                 |               |

<sup>&</sup>lt;sup>17</sup> Expired May 8, 2010

## **AVC Attachment 1**

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JP 3,769,534 CN 02804269.7 ID 18,408 ID 21,414

JP 3,824,268 AU 2003234762 CN 3800792.4 ID 23245 MX 243,908 TW I 272,013

JP 3,878,591 AU 2003268763 MX 257,815 MY 135,215 TW 280,781

JP 3,884,472

JP 4,009,650 AU 2002347635 ID 22105 IN 236816

JP 4,090,862 JP 4,091,074 JP 4,091,107 JP 4,091,108 JP 4,515,994

JP 4,100,552

JP 4,114,859

JP 4,119,269

JP 4,125,739

## **AVC Attachment 1**

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JP 4,130,780

TW 314837

JP 4,130,783

CN 200610095863.7

MX 264923

TW 281353

JP 4,142,929

IN 245493

JP 4,150,742

MX 240027

JP 4,158,985

JP 4,158,986

JP 4,158,993

JP 4,158,994

AU 2007202509

JP 4,158,996

JP 4,158,998

JP 4,178,088

AU 2003261923

CN 03802113.7

MX 263771

MY 139,301

TW 283134

JP 4,185,106

TW 314,838

JP 4,185,560

AU 2008230069

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Page 56 of 88

JP 4,185,561

JP 4,185,563

JP 4,185,564

JP 4,197,262

JP 4,197,345

JP 4,215,197

JP 4,275,719 CN 200810169237.7

JP 4,355,156

JP 4,382,864

JP 4,406,239

CN 03802728.3

CN 200710154282.0

CN 200710154283.5

TW 283,534

TW 331,877

JP 4,456,087

JP 4,465,026

JP 4,481,612

JP 4,560,134

JP 4,562,785

CN 200610090880.1

JP 4,562,999

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Page 57 of 88

JP 4,580,626

JP 4,580,903

JP 4,585,047

JP 4,594,448

JP 4,594,449

JP 4,598,160

KR 656,296

KR 736,503

AU 2005204229

CA 2,426,780

CN 200510097710.1

ID 19,695

IN 227014

MX 256,733

KR 766,657

CN 200810169238.1

KR 796,107

KR 799,412

KR 801,385

KR 804,902

KR 913,633

KR 917,521

AU 2002344460

AU 2008203058

CN 200610107548.1

IN 239883

MX 256,226

KR 921,030

**AVC Attachment 1** 

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KR 921,031

KR 921,034

KR 923,379

KR 923,380

CN 03805346.2

MY 139,955

TW 325,281

KR 926,845

KR 926,850

IN 241,349

KR 929,078

CN 200610153402.0

KR 931,746

TW 259,726

KR 931,750

KR 942,344

KR 944,552

KR 944,851

KR 944,852

KR 946,845

KR 946,846

KR 946,848

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|----------------|------------------|---------------|
|                | KR 947,399       |               |
|                | KR 950,388       |               |
|                | KR 954,244       |               |
|                | KR 956,920       |               |
|                | KR 956,926       |               |
|                | KR 956,927       |               |
|                | KR 958,982       |               |
|                | KR 959,969       |               |
|                | KR 961,036       |               |
|                | KR 961,037       |               |
|                | KR 975,486       |               |
|                | KR 975,487       |               |
|                | KR 985,634       |               |
|                | KR 987,541       |               |
|                | KR 987,548       |               |
|                | KR 1,001,097     |               |
|                | KR 1,001,411     |               |
|                | KR 1,001,478     |               |
|                |                  |               |

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Polycom, Inc.

US 5,367,385

US 7,239,662

AU 2002326713

CA 2457882

CN 02816465.2

ID 100020475

IL 160476

KR 691,307

MX 251254

NZ 531863

PH 1-2004-500254

RU 2291586

SG 102893

SZ RP/4/2006

VN 5559

ZA 2004/01377

Robert Bosch GmbH

DE 3769306<sup>+</sup>

FR 0279053<sup>+</sup>

GB 0279053<sup>†</sup>

IT 0279053<sup>+</sup>

NL 0279053+

<sup>†</sup> Expired December 11, 2007

## AVC Attachment 1

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AT 324012 BE 1,457,055 CH 1,457,055 DE 50206504 DK 1,457,055 ES 2262847 FI 1,457,055 FR 1,457,055 GB 1,457,055 IT 1,457,055 LI 1,457,055 NL 1,457,055 SE 1,457,055 TR 200602991

Samsung Electronics Co., Ltd.

US 5,384,849

CN 93106014.1

JP 2,728,619

KR 148,130

RU 2,072,562

US 5,467,086

JP 2,665,127

US 5,654,706

DE 69321781

FR 580,454

GB 580,454

HK 1,008,711

JP 3,369,422

JP 3,442,028

US 6,680,975

US 7,292,657

US 7,561,623

US 7,630,437

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KR 103,834

KR 132,895

KR 147,549

KR 148,226

KR 152,017

KR 162,196

KR 166,716

KR 178,711

KR 205,293

KR 301,013

AU 717,480

RU 2,154,918

SG 70679

KR 304,660

JP 3,579,013

KR 313,870

CN 98122956.5

CN 03107665.3

CN 03107666.1

CN 03107667.X

HK 1,056,286

HK 1,056,287

HK 1,059,699

KR 335,622

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KR 359,093 CN 200410054953.2

KR 375,345

KR 460,970

KR 584,549 KR 605,290

KR 584,552 CN 200410033037.0

KR 584,622

KR 612,849

KR 622,305

KR 622,306

KR 708,202

KR 813,989

KR 846,778 CN 03801207.3 IN 203,511

CN 200410005357.5

Sedna Patent Services, LLC US 6,510,554

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Sharp Corporation

US 6,681,050

US 6,687,409

US 7,194,136

US 7,340,102

US 7,106,795

US 7,123,655

JP 4,030,558

US 7,130,348

US 7,170,942

US 7,352,812

US 7,386,048

US 7,613,240

US 7,787,542

JP 4,372,197

CA 2,454,867

CA 2,616,751

DE 60215241.0

FR 1,246,131

GB 1,246,131

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AT 434,288

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DE 60232681.8

DK 1,459,449

ES 2328118

FI 1,459,449

FR 1,459,449

GB 1,459,449

IE 1,459,449

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NL 1,459,449

SE 1,459,449

DE 60313454.8

ES 1,510,078

FR 1,510,078

GB 1,510,078

IT 1,510,078

NL 1,510,078

DE 60220106.3

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GB 1,596,604

DE 60234875

FR 1,727,373

GB 1,727,373

DE 602004027847

ES 2348075

FR 1,791,369

GB 1,791,369 IT 1,791,369

NL 1,791,369

PT 1,791,369

JP 2,951,86118

<sup>18</sup> Expired March 10, 2009

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|                | JP 3,078,692      |               |
|                | JP 3,277,116      |               |
|                | JP 3,654,664      |               |
|                | JP 3,664,626      |               |
|                | JP 3,678,365      |               |
|                | CA 2,454,626      |               |
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|                | HK 1111547        |               |
|                | JP 3,734,494      |               |
|                | TW 241,532        |               |
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JP 3,862,725 CN 200710127006.5 HK 1108785

JP 4,067,558

JP 4,245,587

JP 4,357,427 JP 4,357,543

JP 4,357,590

JP 4,372,019

JP 4,454,678

JP 4,462,914

JP 4,508,627

KR 591,653

KR 612,785 CN 02817995.1 HK 1,070,223

KR 685,264

KR 751,670

KR 754,972

KR 785,588

KR 785,589

KR 811,986

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KR 820,132 CN 200710127107.2 HK 1111549

KR 880,305

CN 200480007527.1

CN 200510116499.3

Siemens AG US 5,933,541

US 6,115,503

DE 50103996.1 FR 1,279,291 GB 1,279,291

DE 50105422 FR 1,285,537 GB 1,285,537

Sony Corporation US Re. 37,22219 AU 66998320

US 4,864,393<sup>21</sup>

US 5,510,840

US 5,539,466 CA 2,092,295 HK 1,032,871 HK 1,033,059

Expired October 11, 2010
 Expired October 12, 2010
 Expired May 30, 2008

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US 5,774,594

US 6,160,849

US 7,639,742

JP 3,797,209

CN 1,225,919

AT 171,831

DE 69227185

FR 573,665

GB 573,665

IT RM1998B052096

NL 573,665

AT 180,374

DE 69229229

FR 598,904

GB 598,904

IT RM1999B050448

AT 224,627

DE 69232784

FR 898,426

IT RM2002B052345

AT 209,422

DE 69232357

FR 907,289

IT RM2002B048140

JP 4,240,283

JP 4,348,899

KR 260,475

KR 945,826

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KR 969,345

Tandberg Telecom AS US 7,684,489

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Telefonaktiebolaget LM Ericsson US 6,907,071 IN 231,901

> DE 10296787.3 GB 2,392,042

AT 1,449,383 AU 2002353749 BE 1,449,383 BG 1,449,383 CH 1,449,383 CN 02823496.0 CY 1,449,383 CZ 1,449,383 DE 60236886 DK 1,449,383 EE 1,449,383 ES 1,449,383 FI 1,449,383 FR 1,449,383 GB 1,449,383 GR 1,449,383 IE 1,449,383 IN 218194 IT 1,449,383 JP 4,440,640 LI 1,449,383 LU 1,449,383 MC 1,449,383 NL 1,449,383 PT 1,449,383 RU 2,307,478 SE 1,449,383 SK 1,449,383 TR 1,449,383

JP 4,133,346

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Toshiba Corporation

US 5,930,395

US 6,408,098

US 6,621,931

US 6,353,681

US 6,571,361

CA 2,249,540

MX 252,913

US 7,321,995

US 7,454,669

US 7,464,305

US 7,472,317

US 7,475,298

US 7,487,410

JP 3,631,488

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CN 97193909.8

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JP 3,657,969

JP 3,657,970

JP 3,657,978

US 7,599,437

US 7,616,691

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JP 4,307,529

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| Assessed 2011  | ANC Auglement    | D - FF - (00  |
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| August 1, 2011 | AVC Attachment 1 | Page 77 of 88 |
|                | JP 4,338,774     |               |
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JP 4,355,768

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|----------------|------------------|---------------|
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JP 4,406,087

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JP 4,406,089

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JP 4,427,609

JP 4,427,610

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JP 4,427,612

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JP 4,427,618

JP 4,427,619

JP 4,427,620

JP 4,427,621

JP 4,427,622

JP 4,427,623

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|----------------|------------------|---------------|
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|----------------|------------------|---------------|
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|----------------|------------------|---------------|
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|                | JP 4,496,315     |               |

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|----------------|------------------|---------------|
|                | JP 4,517,011     |               |
|                | JP 4,517,012     |               |
|                | JP 4,517,013     |               |
|                | JP 4,517,014     |               |
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|                | JP 4,517,028     |               |
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|----------------|------------------|---------------|
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|                | JP 4,517,032     |               |
|                | JP 4,517,033     |               |
|                | JP 4,517,034     |               |
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|                | JP 4,517,036     |               |
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|                | JP 4,538,545     |               |
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|                | JP 4,538,547     |               |

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|----------------|------------------|---------------|
|                | JP 4,538,548     |               |
|                | JP 4,538,549     |               |
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JP 4,538,568

JP 4,538,569

JP 4,538,570

JP 4,538,571

JP 4,560,136

JP 4,560,137

JP 4,560,138

JP 4,560,139

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KR 685,771

KR 685,772

Victor Company of Japan, Limited US Re. 34,965<sup>†</sup>

US Re. 35,158<sup>+</sup>

US 5,103,307<sup>22</sup>

JP 2,962,012

JP 3,060,376<sup>23</sup>

<sup>&</sup>lt;sup>†</sup> Expired January 17, 2010 <sup>22</sup> Expired January 17, 2011 <sup>23</sup> Expires August 30, 2011

## AVC Attachment 1

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### Addendum of Patents of Withdrawn Licensors

Each patent listed below was contributed to the AVC Patent Licensing Program by an entity that has withdrawn as a licensor from the AVC Patent Licensing Program effective as of the date listed next to that entity's name. Those licensees with an AVC Patent Portfolio License in effect *prior to* the date of withdrawal indicated next to each patent retain their license under the respective withdrawn patent *on and after* the indicated withdrawal date.

LSI Corporation (formerly LSI Logic Corporation) (withdrawn July 15, 2007)

US 7,020,200 (withdrawn July 15, 2007)

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# Addendum of Patents Removed from AVC Attachment 1

Each patent listed below was previously found essential for part of the AVC Standard that has now been deleted from the AVC Standard effective as of the date listed next to the removed patent. Those licensees with an AVC Patent Portfolio License in effect *prior to* the date of removal indicated next to each patent retain their license under the respective removed patent *on and after* the indicated removal date.

LG Electronics Inc.

US 6,862,043 removed effective December 5, 2008